EXHIBIT D

UNITED STATES DISTRICT COURT

FOR THE

DISTRICT OF VERMONT

GROCERY MANUFACTURERS)	
ASSOCIATION, SNACK FOOD)	
ASSOCIATION, INTERNATIONAL)	
DAIRY FOODS ASSOCIATION, and)	
NATIONAL ASSOCIATION OF)	
MANUFACTURERS,)	
)	
Plaintiffs,)	
)	
v.)	Case No. 5:14-cv-117
)	
WILLIAM H. SORRELL, in his official)	
capacity as the Attorney General of Vermont;)	
PETER E. SHUMLIN, in his official capacity)	
as Governor of Vermont; TRACY DOLAN,)	
in her official capacity as Commissioner of the)	
Vermont Department of Health; and JAMES B.)	
REARDON, in his official capacity as)	
Commissioner of the Vermont Department)	
of Finance and Management,)	
)	
Defendants.)	

DECLARATION OF DR. CONRAD BRUNK

I, Conrad Brunk, make this declaration pursuant to Federal Rule of Evidence 702, in opposition to Plaintiffs' request for a preliminary injunction.

Expert Qualifications

1. I am currently Professor Emeritus at the University of Victoria where I served as a Professor of Philosophy and Environmental Studies from 2002 until 2011. I also served as the Director of the Centre for Studies in Religion & Society at the University of Victoria from 2002 until 2008.

- 2. I earned my doctorate in Philosophy from Northwestern University in 1974. Prior to my work at the University of Victoria, I was an Assistant Professor of Philosophy at Oakland University in Michigan, as well as an Associate and full Professor of Philosophy at the University of Waterloo in Ontario.
- 3. During my career, I have focused my scholarly research and teaching in the general field of society, technology and values, with particular specialization in the areas of professional and applied ethics, and the role of religion in society. I developed a major expertise in the question of the interplay of science and values in the development of standards of acceptable risk in public policy. Much of this work has focused on the impact of ethical, religious, and other social values on public policy concerning biotechnology and genetically engineered foods (GE foods).
- 4. As an expert in the aforementioned areas, I have been appointed to many expert committees focusing on the issues of food and agricultural regulatory policy. In 1997, I was appointed to the United Nations Food and Agriculture Organization Secretariat for Expert Consultation on the Principles of Risk Management in Food Trade, which set international standards for food safety risk management. I have chaired several Committees of the Royal Society of Canada, including its Expert Panel, commissioned by the Government of Canada on the Regulation of Food Biotechnology in Canada. This Expert Panel recommended a regime of voluntary labeling of GE foods on the condition of the implementation of regulatory testing techniques unique to GE foods. In 2002, I was appointed by the Canadian Government to the Canadian Biotechnology Advisory Committee, which advised the government on all aspects of biotechnology regulation, including the labeling of GE foods. From 2005 to 2009, I served as a Member of the Genome British Columbia Genomics, Society and Ethics Advisory Board, and in this role I actively led the sub-group assessing the ethical, social and legal aspects of genomics.

From 2011 to 2014, I served on the Expert Advisory Committee to the Canadian Food Inspection Agency, the Canadian equivalent of the USDA. In 2011, I became a founding Member of the TAFS Forum (Trust in Animals and Food Safety), a Swiss-based international expert committee of scientists, and food industry representatives of companies such as McDonalds, Nestle, Metro and Zensho, regulatory organizations such as the Swiss and German Veterinary Offices and other stakeholders. TAFS conducts studies and reports and makes recommendations to the food industry and governments on controversial and emerging issues relating to the safety of food derived from animals (e.g., mad cow disease and bovine para-tuberculosis).

- 5. In 2004, I was appointed to the Canadian Network of Centres for Excellence's research initiative, The Advanced Foods and Materials Network. In this role, I served as the Leader of the Genetics, Ethics, Economics, Environment, Law, and Society theme area. With grants awarded by the Network, I became the principal investigator on two projects related to genetically modified foods and organisms. The first was entitled "Factors Affecting Consumer Acceptance of GM Foods Containing Transgenes from Sources Involving Moral, Religious or Cultural Dietary Prohibitions." The second was entitled "The Ethics of Animal Biotechnology." To the best of my knowledge, this is the only published research explicitly exploring this issue.
- 6. I have co-edited several peer reviewed books that address issues raised by genetic engineering. The first is <u>Acceptable Genes: Religious and Cultural Factors in Consumer Acceptance of GM Foods</u>, published by SUNY Press in 2009. This work studies the attitudes of the major religions in North America towards transgenic materials from organisms prohibited in religious dietary rules, and explicitly addresses the question of labeling these food products. The second is <u>Designer Animals</u>: Mapping the Issues in Animal Biotechnology, published by the

University of Toronto Press in 2011. This book explores the ethical limits on the genetic modification of animals that would be invoked by different stakeholders in this technology.

- 7. The book I co-authored that has had the most widespread and significant scholarly impact is <u>Value Assumptions in Risk Assessment</u>. This book examines the influence of personal and social values in the conduct of risk assessment and risk management science. The perspectives of this book were the major reason I was called upon by government and academia to serve on the expert panels and committees mentioned previously, particularly in the area of food biotechnology.
 - 8. A copy of my curriculum vitae is attached as Exhibit 1.

Act 120

- 9. I have reviewed Act 120, which was recently enacted by the Vermont Legislature to require the labeling of certain foods produced with GE, as well as the draft rules that are being proposed by the Vermont Attorney General's Office to implement Act 120.
- 10. As set forth in the Act, the Legislature enacted the law in part because "[p]ersons with certain religious beliefs object to producing food using genetic engineering because of objections to tampering with the genetic makeup of life forms and the rapid introduction and proliferation of genetically engineered organisms and, therefore, need food to be labeled as genetically engineered in order to conform to religious beliefs and comply with dietary restrictions."
- 11. For the reasons set forth below, based upon my training and experience, in my opinion, to a reasonable degree of professional certainty in the fields of philosophy, religion and ethics, the State of Vermont has a substantial interest in providing religious adherents who practice their religion on a day to day basis with the information necessary to make choices that further their religiously and conscientiously held moral beliefs and thereby promote a religiously diverse,

tolerant and welcoming society. It is also my opinion, to a reasonable degree of professional certainty, that the Act directly advances those substantial interests by giving religious adherents the information necessary to make choices that conform to their moral and religious beliefs about GE foods, including their beliefs around the dietary laws of their religious traditions.

Philosophical and Religious Issues Raised by GE Foods

- 12. The act of eating is one of the most intimate activities in which human beings engage. It is the act of absorbing into one's body the elements of the external world, taking in its pleasures and benefits, as well as its risks. Consequently, eating, not surprisingly, is imbued with profound symbolic and therefore religious significance. Food is not simply about nutrition and sustenance. For many people, how and what one eats expresses fundamentally who one is and the fundamental good to which one is committed.
- 13. Of course, not all adherents to religious traditions espouse precisely the same points of view on every religious tenet. The views of lay adherents can differ from those of the scholarly or recognized interpreters of a religious tradition, who often differ among themselves, and not all lay adherents share a precisely defined view of their religious obligations. Yet, each of these belief systems may be a legitimate expression of a religious world view and is entitled to respect and accommodation.
- 14. Therefore, as part of the published research conducted for the Network of Centres of Excellence Project on religious attitudes towards GE foods, the Project brought together a team of scholars from the major religious traditions in North America to reflect upon the implications of GE foods for the dietary prohibitions and rules that are critical to the practice of the religion. The traditions represented included Judaism, Islam, Hinduism, Buddhism, Chinese Traditional Religion, Indigenous Religion, and Christianity. These scholars were asked to review the

question from the point of view of the traditional theological/philosophical understandings of the food taboos within the religion, and to reflect upon the opinions expressed by lay practitioners of the religion in focus groups facilitated by the research team. While the scholars, predictably, found disagreement and uncertainty on the question of GE food among their peers (the technology is new, and the scholarly understanding of it is still in formation), the opinions expressed within the lay focus groups were far less nuanced and exhibited high levels of concern that GE foods constituted a threat to the practice of their religion. These focus groups are not assumed to provide representative samples of religious communities, and do not provide a scientifically reliable picture of the attitudes of all adherents to a religious tradition. Rather, they call attention to the way these actual adherents do in fact view an issue in light of their commitments to a religious tradition. This group research focused on the traditions as a lived practice and it consequently provides reliable guidance on how many religious adherents in fact exercise their deeply held values around food production and diet in the marketplace on an everyday basis. When assessing the need for regulatory action, it is the real belief and practice of individuals and groups that is of concern, not primarily the idealized or theoretical interpretation of the religion by theologians and scholars.

15. Our research with the religious groups and scholars found a strongly shared view (if not a consensus) among them all that genetically engineered foods pose ethical challenges within their value frameworks of such gravity that practitioners should be able to exercise informed choice in the marketplace about the purchase of these products. The most common area of agreement among them (though not a consensus) was that there should be a system of labeling of these products that permits this informed choice.

- 16. The ethical concerns expressed by the religious groups we studied were of several different types. Most of these were expressed by some members within all of the focus groups, though not by all members. They can be summarized as follows:
 - a. The concern that there is something about the technology of genetic engineering itself which is problematic from their religious/ethical point of view. This concern was expressed in different terms by different adherents. For some the technology itself is seen as violating basic natural processes, insofar as it forces the exchange of genetic material among species that could not occur otherwise in nature. In this sense it is viewed as "unnatural." In certain theistic religious traditions this "unnaturalness" may be viewed as a violation of God's creation or a form of prideful "playing God." However expressed, it leads to the conclusion that one ought not to support or participate in the technology, and that the only way to act in accord with this moral imperative is to have the information about which foods are the product of the unacceptable technology.
 - b. The concern that food biotechnology represents a significant advancement in the industrialization and corporatization of agriculture, with a resulting erosion in the nutritional quality of food, greater centralization of power and wealth that works against traditional farming communities and small farmers, and the increased burden upon the natural environment and the welfare of farm animals. This poses the question whether the cultivation and use of GE foods creates injustice and inequity, contrary to religious principles that demand action to reduce suffering in the world and protect the environment. This concern was expressed in most of the religious groups in our research, but it was the central concern in the Buddhist

group, and also for the Buddhist scholar on our research team. While vegetarianism is a critical part of the Mayahana Buddhist tradition (especially in China), the central tenet in all Buddhist traditions is the avoidance of intentional infliction of suffering of all creatures. It is thus important to know how one's food is produced, and the absence of labeling on GE products was seen by many in this group as "violating the right of choice needed for one's Buddhist practice." This concern was paramount to Mennonite Christians as well.

The concern that genetically engineered foods may contain transgenes from animals or plants prohibited by the dietary rules of their religious culture. Indeed, most of the major religions in North America have some prohibitions on the use of certain animals or plants in their diet or certain norms governing the cultivation or preparation of food. The focus groups were asked specifically to consider both existing and potential examples of transgenes in food products. For Christian Seventh Day Adventists, Jews or Muslims who adhere to the dietary rules of their religion, the use, for example, of a pig gene to enhance a tomato would be a form of contamination, as the consumption of pork is prohibited in these religious cultures. Similarly, because lobster is prohibited in the Jewish and Muslim religions, some adherents to Judaism and Islam would object to splicing a lobster gene into a vegetable. The insertion of the gene from an Arctic Char that confers resistance to extreme cold in the Char into a vegetable to make it more resistant to frost is a serious problem for those whose religious dietary taboos include the Arctic Char (e.g., Judaism). Scientists and scholars who view DNA constructs and genes in a materialistic and evolutionary perspective generally find the idea

that the transgenic vegetable contains the "pigness" or "lobsterness" of the organism from the gene was taken as completely implausible. Apart from its function in the donor organism itself, it represents nothing of that organism. The lay religious and secular ethical adherents to the dietary restriction, however, tend to view the matter very differently. They see the transgene as transferring a characteristic of the pig or the lobster to the vegetable on their plate. It is not the naïve view that the vegetable thereby becomes the prohibited pig or lobster, but rather that the vegetable now contains elements of the donor pig or lobster. This is often expressed in terms of "contamination" or "impurity" – moral terms that were invoked in most of the religious groups we studied. This concept of contamination is of particular concern in those religious cultures where certain foods take on powerful symbolic meanings, which raise them to the level of the sacred. For example, in the Hindu religion food is of central importance in religious rituals where it is classified as pure or impure. Impure food can be eaten most days, but is prohibited on certain holy days. For many Hindus, when an animal gene has been introduced into a vegetable or fruit, the resulting food product can be rendered impure, and thus should not be consumed on holy days. Indeed, the concept of "contamination" may be the best way to understand how the lay people in many of the religious focus groups viewed the problem of transgenes from prohibited food sources in otherwise acceptable foods.

17. The strong objections to GE foods stated by participants in the focus groups articulated their concerns not simply as a consumer preference. Rather they articulated their concerns as deeply rooted religiously and conscientiously held moral beliefs that are fundamental life

commitments and essential to an individual's self-identity, just as commitment to the dietary rules of the religion are an essential expression of what it is to be, say, a Jew or Muslim, or a Christian Seventh Day Adventist. They are a necessary part of the practice of the religion. As such, these beliefs and practices have a standing beyond mere preference. In pluralistic democratic societies dedicated to religious liberty and freedom of conscience, these attitudes rise to the level of rights, and demand respect, tolerance and accommodation not given to mere preferences. The protection of religious liberty and freedom of conscience is a crucial obligation of governments dedicated to these principles. Governments have legitimate and substantial interests in accommodating religious practices and creating tolerant religious environments.

18. Act 120 directly advances the Vermont Legislature's interests in protecting and accommodating religious liberty and freedom of conscience and in creating a religiously tolerant community. The Vermont Legislature has not banned GE foods outright but has reached a balance that informs adherents about GE foods through labeling. This permits adherents to exercise their religious beliefs by abstaining from foods that are prohibited from certain religious and ethical points of view. It also allows religious adherents the ability to exercise their power in the marketplace and support corporations and products that respect and support their religious and moral viewpoints.

19. I have not studied the extent to which Vermont residents in particular hold religion-based objections to GE foods. I am aware, however, that the Legislature was informed that there are in fact Vermont residents who have such religious objections to GE foods. I am also aware, based upon my studies and research, that people with these religious concerns travel from one jurisdiction to another and change residences throughout their lifetimes. Act 120 is a reasonable

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accommodation not only of religious adherents currently residing in Vermont but also those who

may travel to Vermont or come to reside there in the future.

I swear under penalty of perjury that the foregoing statements are true and correct to the best

of my knowledge.

/s/ Conrad Brunk

Dated: November 14, 2014

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EXHIBIT 1

CURRICULUM VITAE CONRAD G. BRUNK

Emeritus Professor of Philosophy & Environmental Studies University of Victoria, Victoria BC V8W 3P4 November, 2014

Phone: Home (250) 727-2000

Mobile (250) 217-6324 Citizenship: Canada/USA E-mail: cbrunk@uvic.ca Languages: English, French

Birth date: October 4, 1945

ACADEMIC DEGREES:

Ph. D. (Philosophy) Northwestern University, 1974

Thesis: "On the Idea of a Right to Freedom of Conscience"

M.A. (Philosophy) Northwestern University, 1968 B.A. (Philosophy) Wheaton College (Ill.), 1967

ACADEMIC APPOINTMENTS:

1999-2002 Academic Dean, Conrad Grebel University College, University of Waterle	Ю
1997-1999 Professor of Philosophy, Conrad Grebel University College, U. of Waterle	00
1980-1997 Associate Prof. of Philosophy, Conrad Grebel University College, U. of V	√aterloo
1976-1980 Assistant Prof. of Philosophy, Conrad Grebel University College, U. of W	aterloo
1974-1976 Assistant Professor of Philosophy, Oakland University, Rochester, Michig	gan

ACADEMIC ADMINISTRATION:

Director, Centre for Studies in Religion & Society, University of Victoria, 2002-2008 Academic Dean, Conrad Grebel University College, University of Waterloo, 1999 - 2002 Chair, Legal Studies Faculty, University of Waterloo, 1990-1999 Chair, Faculty of Conflict Studies, University of Waterloo, 1976-85

HONORS, AWARDS, APPOINTMENTS:

Network Investigator and Theme Leader. Network of Centres of Excellence Grant, "Advanced Foods and Materials Network". Principal Investigator on project entitled: "Factors Affecting Consumer Acceptance of GM Foods Containing Transgenes from Sources Involving Moral, Religious or Cultural Dietary Prohibitions" Leader of the Genetics, Ethics, Economics, Environment, Law and Society (GELS) theme area. 2004-2009. \$305,000.

SSHRC Strategic Grant in Applied Ethics for research on Ethical Issues in the Canadian Fish Stocks Controversy (Research team member), University of Victoria, 1997-99

Research Fellow, Centre for Studies in Religion and Society, University of Victoria, 1997

Research Fellow, Centre for Applied Ethics, University of British Columbia, 1994.

Canada Tri-Council Green Plan Grant for research on Agroecosystem Health (Research team member), University of Guelph, 1993-96

SSHRC Strategic Grant in Applied Ethics for research on Risk Management, 1991-93

Visiting Professor, Université de Grenoble, Grenoble, France, 1989-90

Woodrow Wilson Fellowship for graduate study in philosophy, 1967-68 Danforth Foundation Kent Fellowship for advanced graduate study, 1973-74

AREAS OF SCHOLARLY RESEARCH AND TEACHING:

- 1. Applied and Professional Ethics
 - a. Religion, Values and Technology
 - b. Environmental Ethics
 - c. Risk Science and Public Policy
 - d. Bio-medical Ethics
- 2. Conflict Analysis and Conflict Resolution
- 3. Philosophy of Religion
- 4. Philosophy of Law

UNIVERSITY COMMITTEES & ASSIGNMENTS (Selected List):

Member, Search Committee, Dean of Humanities, UVic. 2000-10

Member, Search Committee, Vice-President for Research, UVic. 2007.

Member, University of Victoria Council of Centre Directors, 2002-08

Member, University of Victoria Senate Committee on Libraries, 2005-08

Member, University of Waterloo Senate, 1999-2002

Member, UW Senate Graduate Council, 1999 - 2002

Member, Arts General Group (Council of Chairs in Faculty of Arts), 1999 - 2002

Chair and Undergraduate Advisor, University of Waterloo Program in Legal Studies, 1990 - 1999.

Chair, University of Waterloo Peace and Conflict Studies Faculty Group, 1977 -1992

Chair and Member of numerous academic committees at Conrad Grebel University College

Member, Advisory Board of the Institute for Risk Research, 1989 - 1996

Member, Advisory Group for University of Waterloo Centre for Society, Technology, and Values, 1987-89

Member, Committee on Animal Care and Research (Ethics Review), University of Waterloo, 1987-1994; Acting Chair, 1993

Member, Selection Committee of the Danforth Foundation Kent Fellowship program, 1975

Member, University of Waterloo Undergraduate Affairs Group, Faculty of Arts, (responsible for academic curriculum) 1976-80, 1999

Approved PhD Advisor, Department of Philosophy, University of Waterloo

INTERNATIONAL AND NATIONAL ADMINISTRATIVE ASSIGNMENTS:

2001-	Founding Member and member of the Board, Transmissible Animal Disease and Food Safety Foundation (TAFS), Berne, Switzerland
2011-14	Member, Canadian Food Inspection Agency Expert Advisory Committee
2011	Peer Review Monitor, Royal Society Expert Panel on End-of-Life Decision-
	Making
2007-13	Member, Canadian Network of Centres of Excellence Research Management
	Committee for PrioNet
2009 -11	Member, Council of Canadian Academies Expert Panel on Integrated Pesticide
	Management
2007 - 11	Member, Health Canada/Environment Canada Chemicals Management Plan
	Challenge Advisory Panel

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2005 - 09	Member, Genome British Columbia Ethics Advisory Board
2007 - 08	Member Council of Canadian Academies Expert Panel on Nanotechnology
	Assessment
2005 - 07	Member Canada Research Chair Interdisciplinary Adjudication Committee
2004 -	Member, Agriculture and Agri-Food Canada Science Advisory Board
2006-07	Member, World Health Organization Ad Hoc Committee on Biomonitoring of
	Human Milk for Persistent Organic Pollutants, September 27-29, 2006.
2002 - 04	Member, Commission for Environmental Cooperation of North America
	Advisory Group for the Article 13 Maize report (NAFTA)
2002 - 04	Member, Canadian Biotechnology Advisory Committee
2000-01	Co-Chair, Royal Society of Canada Expert Panel on the Future of Food
	Biotechnology
2000-04	Chair, CIHR Grants Committee in Health Ethics, Law and Humanities
1998, 99	Chair, SSHRC Adjudication Committee for Strategic Awards in Applied Ethics
1998- 05	Chair, Royal Society of Canada Standing Expert Panel on Animal Research
1997	Chair, Royal Society of Canada Expert Panel on the Future of the Health Canada
	Primate Colony
1997	Member of the United Nations Food and Agriculture Organization Secretariat for
	Expert Consultation on Principles of Risk Management in Food Trade. (Co-
	managed this negotiation of the principles of risk management now used by the
	World Trade Organization in resolution of trade disputes under GATT.)

PUBLICATIONS:

I. SCHOLARLY BOOKS

- <u>Designer Animals: Mapping the Issues in Animal Biotechnology</u>. Conrad Brunk & Sarah Hartley (eds.). University of Toronto Press (2011).
- Acceptable Genes: Religious and Cultural Factors in Consumer Acceptance of GM Foods.

 Conrad Brunk & Harold Coward (eds.). State University of New York Press (SUNY), 2009.
- <u>The Ethics of Cultural Appropriation</u>. James O. Young and Conrad G. Brunk (eds.). Wiley-Blackwell, 2009.
- <u>Value Assumptions in Risk Assessment: The Alachlor Controversy.</u> With Co-authors Lawrence Haworth and Brenda Lee. Waterloo: Wilfrid Laurier University Press, 1991. **Selected by Choice** as one of the outstanding publications of 1991. Reprinted in Paperback, 1995.

II. MAJOR MONOGRAPHS AND REPORTS FOR GOVERNMENT AGENCIES

- Small is different: A Science Perspective on the Regulatory Challenges of the Nanoscale. Report to the Government of Canada by the Council of Canadian Academies. Co-authored with members of the Expert Panel. Ottawa: Council of Canadian Academies, 2008.
- <u>Maize and Biodiversity: The Effects of Transgenic Maize in Mexico. Co-author.</u> Montreal: Commission for Environmental Cooperation, 2004.
- <u>Elements of Precaution: Recommendations for the Regulation of Food Biotechnology in Canada.</u>
 Royal Society of Canada Expert Panel Report on the Future of Food Biotechnology. Co-

- authored with 13 other Expert Panel Members. <u>Toxicology and Environmental Health.</u> Vol. 64, No. 1 (September, 2001). 212 pages.
- A Risk-Based Approach to Import Controls of Agricultural Products in Canada. Report prepared for Agriculture and Agri-Food Canada, Management Strategies and Priorities Directorate, March, 1994. 92 pp. Adopted by Agriculture and Agri-Food Canada as the framework for the management of risk in imported agricultural products.
- <u>Issues in the Regulation of Animal Health Risks.</u> Report prepared for the Agriculture Canada, Animal Health Division. August 6, 1992. 58 pp.

III. SCHOLARLY ARTICLES AND CHAPTERS IN BOOKS

- "Risk Communication in the Context of Novel Foods and Novel Technologies." Encyclopedia of Food Safety. Elsevier, 2012.
- "Focusing on the Values in Debate about Animal Biotechnology." With Sarah Hartley and Leslie Rodgers in Designer Animals: Mapping the Issues in Animal Biotechnology. Conrad Brunk & Sarah Hartley (eds.). University of Toronto Press, 2011
- "Issues of Governance in Animal Biotechnology". With Sarah Hartley in Designer Animals: Mapping the Issues in Animal Biotechnology. Conrad Brunk & Sarah Hartley (eds.). University of Toronto Press, 2011
- "Regulatory And Innovation Implications Of Religious And Ethical Sensitivities Concerning GM Food". With Nola Ries and Leslie Rodgers. in Conrad Brunk & Harold Coward (eds.).

 <u>Acceptable Genes: Religious and Cultural Factors in Consumer Acceptance of GM Foods</u>. SUNY Press, 2009.
- "The Skin Off Our Backs: Appropriation of Religion". Young and Brunk (eds.). <u>The Ethics of Cultural Appropriation</u>. Wiley-Blackwell Press, 2009.
- "Appropriation of Traditional Knowledge: Ethics in the Context of Ethnobiology". Young and Brunk (eds.). <u>The Ethics of Cultural Appropriation</u>. Wiley-Blackwell Press, 2009.
- "Guidelines for the Derivation of Biomonitoring Equivalents." Co-authored with Sean M. Hays, Lesa L. Aylward, Judy S. LaKind, et al. <u>Journal of Regulatory Toxicology and Pharmacology</u>. Vol. 51, No. 3, August, 2008.
- "Guidelines for the Communication of Biomonitoring Equivalents." Co-authored with Judy S. LaKind, Lesa L. Aylward, Stephen DiZio, et. al. Forthcoming in <u>Journal of Regulatory</u> Toxicology and Pharmacology. Vol. 51, No. 3, August, 2008.
- "The Evocative Image: Art and the Perception of Risk". <u>Imagining Science</u>, Caulfield & Caulfield eds. University of Alberta Press, 2008.
- "Community-Based Research with Vulnerable Populations: Challenges for Ethics and Research Guidelines" Co-authored with Bonnie Leadbeater, Ted Riecken, Celilia Benoit, Elizabeth Banister, and Kathleen Glass. in Bonnie Leadbeater, et. al. (eds) Ethical Issues in Community —Based Research with Children and Youth. Toronto: University of Toronto Press, 2006.
- "A Precautionary Framework for Biotechnology", With Katherine Barrett. in Iain E.P. Taylor (ed.) Genetically Engineered Crops: Interim Policies, Uncertain Legislation. Binghamton, New York, Haworth's Food products Press, 2007.
- "Public Knowledge, Public Trust: Understanding the 'Knowledge Deficit'", in Community Genetics, special edition edited by Margaret LockPat Kaufert, Lori d'Agincourt, Sue Bell, 2005

- "The Biotech Vision". Roman J. Miller ed. <u>Ethics of Biotechnology: Viewing New Creations</u> with Anabaptist Eyes. Telford, PA: Cascadia Publishing House, 2005.
- "Religious Values in Law and Policy: Is Neutrality Possible?" Solange Lefevbre ed. <u>La Religion</u>
 <u>Dans La Sphère Publique</u>. Montreal: Les Presses de l'Université de Montréal, 2005.
- "Religion, Risk, and the Technological Society". David Hawkin ed. Confronting Technology, Globalization, and War: Challenging the Gods of the Twenty-first Century. New York: SUNY Press, 2004.
- "Professionalism and Responsibility in the Technological Society". Reprinted in <u>Ethics</u> Readings Handbook, published by CGA-Canada, January, 2000.
- "Ecosystem Justice in the Canadian Fisheries". H. Coward, R. Ommer, and T. Pitcher, <u>Just Fish:</u> Ethics and the Canadian Marine Fisheries. St. Johns: ISER Press, 2000.
- "Restorative Justice and the Philosophical Theories of Punishment". Michael Hadley ed. Spiritual Roots of Restorative Justice. New York: SUNY Press, 2001.
- "Peace Studies: An Integrated Approach to the Study of Conflict". Larry Fisk and John Schellenberg eds. <u>Patterns of Conflict</u>, <u>Paths to Peace</u>. Montreal: McGill-Queens University Press, 1999.
- "Managing Risks in the Restructured Corporation: The Case of Dow Corning and Silicone Breast Implants". Chapter 14 in Leo Groarke ed. <u>The Ethics of the New Economy:</u> Restructuring and Beyond. Waterloo: Wilfrid Laurier U. Press, 1998. pp. 189-201.
- "A Dual-Perspective Model of Agroecosystem Health: System Functions and System Goals." Co-authored with L. Haworth, D. Jennex, & S. Arai. <u>Journal of Agricultural Ethics.</u> Vol. 10: 127-152, 1998.
- "Silicone Breasts: Dow Corning and the Implant Controversy" With William Leis. Chapter 5 in William Leis and Doug Powell eds. Mad Cows and Mothers' Milk. Montreal: McGill-Queen's University Press, 1997.
- "A Conceptual and Normative Analysis of Agroecosystem Health Research Projects." Coauthored with D. Jennex and L. Haworth. Discussion Paper in Eco-Research Program of the Tri-Council Secretariat, 1996.
- "Restorative Justice and Punishment" <u>Dialogue: Canadian Journal of Philosophy.</u> Vol XXXV, No. 3 (Summer, 1996), 593-98.
- "The Breast Implant Controversy: Did Dow Corning Meet Its Ethical Responsibility To Women?" in <u>Liberalism and Responsibility</u>, edited by Mano Daniel. Waterloo: Wilfrid Laurier U. Press, 1996.
- "Values and Science in Impact Assessment" with Brenda Lee and Larry Haworth. <u>Environments</u>. Vol.23, No. 1, 1995. Pp 93-100.
- "Risk Assessment and Administrative Law." <u>The Philosophy of Law: An Encyclopedia</u>. New York: Garland Publishing Co., 1995.
- "The Alachlor Controversy." <u>Encyclopedia of Conservation and Environmentalism.</u> Robert Paehlke ed. New York: Garland Publishing, 1995. 21-22
- "Technological Risk and the Nuclear Safety Debate." <u>An Environmental Ethics Perspective On Canadian Policy For Sustainable Development.</u> Ottawa: Institute for Research on the Environment and Economy, University of Ottawa, 1995. 153-175.
- "Comment on William Rifkin's 'Who Need Not be Heard? Deciding Who is Not an Expert'." Technology Studies. Vol. 1, No. 1, 1994. pp. 105-110.
- "Is a Scientific Assessment of Risk Possible?" <u>Dialogue: Canadian Journal of Philosophy.</u> Vol. XXX, No. 3 (Summer, 1991). pp.235-47. With Lawrence Haworth and Brenda Lee.
- "Is Pacifism Morally Coherent? A Reply to Narveson." in Wes Cragg, ed., <u>Contemporary Moral Issues</u>. 3rd edition. Toronto: McGraw-Hill, Ryerson Ltd., 1992.

- "Ethical Values, the Technological Mind, and the Problem of International Peace and Security." Conrad Grebel Review. Vol. 9, No. 3 (Fall, 1991)
- "Professionalism and Responsibility in the Technological Society" (op. cit.). Reprinted in Waluchow and Poff (eds.) <u>Canadian Business Ethics</u> (Englewood Cliffs: Prentice-Hall, 1986, 2nd edition, 1991), pp. 122-137.
- "Nuclear Deterrence, Vulnerability and the Rationality of Unilateral Initiatives," in Cragg and Lewis (eds.) <u>Challenging the Conventional: Essays in Honour of Ed Newbery</u>. Burlington: Trinity Press, 1989.
- "Two Paradigms of Conflict Resolution in the Arms Control Debate." Published by Project Ploughshares as Working Paper 88-4, October, 1988.
- "Principles in Medical Ethics Dilemmas" <u>Conrad Grebel Review</u> Vol. 6, No. 2 (Spring, 1988), 167-73
- "Attitudes Towards Civil and Criminal Law." <u>Mennonite Encyclopedia</u>, Vol. 5. (Scottdale: Herald Press, 1990)
- "In the Image of God." Chapter 2 in <u>Medical Ethics: Human Choices</u> (Scottdale: Herald Press, 1988), pp. 29-40.
- "Hawks, Doves, and Two Models of Conflict Resolution." Project Ploughshares Working Paper 88-4. (Waterloo: October, 1988).
- "Peace Studies in the University," <u>McGill Journal of Education</u>, Vol. 22, No. 3 (Fall, 1987), pp. 1-6.
- "Professionalism and Responsibility in the Technological Society," <u>Conrad Grebel Review</u> Vol. III, No. 2 (Spring, 1985), pp. 133-153.
- "Realism, Deterrence, and the Nuclear Arms Race," republished in W. Cragg (ed.), <u>Contemporary Moral Issues</u>. 2nd ed. (Toronto: McGraw-Hill, Ryerson Ltd., 1986), pp. 511-528.
- "Is There a Place for Conflict Studies in the University Curriculum?" Introduction to <u>Canadian Peace and World Order Studies: A Curriculum Guide</u>, edited by Matthew Speier (Toronto: Association of Canadian Community Colleges, 1987), pp. 6-18.
- "Why Doves Should Loathe the Cruise." Policy Options, Vol. 6, No. 4 (May, 1985), pp. 30-31.
- "Realism, Deterrence, and the Nuclear Arms Race," in <u>Philosophical Issues in the Nuclear Arms Race</u>, edited by Leo Groarke and Michael Fox (New York: Peter Lang, 1985), pp. 223-240.
- "Liberal Rights and the Ethics of Homicide," in <u>Dialogue: Canadian Journal of Philosophy</u>, Vol. XXII, No. 3, (September, 1983), pp. 503-11.
- "Reflections on the Anabaptist View of Law and Morality," <u>Conrad Grebel Review</u>, Vol. I, No. 2 (Spring, 1983), pp. 1-20.
- Peacemaking (Scottdale: Herald Press, 1983), 64 pages.
- "Involuntary Commitment of Mentally Ill Patients" in Shankar Yelaja, <u>Ethical Issues in Social Work</u> (Springfield: Charles E. Thomas, 1981) pp. 286-311.
- "Genetic Counselling" in Yelaja,, <u>Ethical Issues in Social Work</u> (Springfield: Charles E. Thomas, 1981), pp. 261-285.
- "Peace and Social Justice in Believers' Church Theology." Klaassen and Zeman, <u>The Believers' Church in Canada</u> (Waterloo: 1979), pp. 313-323.
- "The Problem of Voluntariness in Plea Bargaining," 13 <u>Law and Society Review</u> (Winter, 1979), pp. 529-553.

IV. BOOK REVIEWS

"Jeffrey Stout, Democracy and Tradition", in <u>Philosophy in Review</u>, Vol. 24, No. 5, October 2004

- Review of Terry Nardin (ed.), <u>The Ethics of War and Peace</u>, in <u>Canadian Philosophical Reviews</u>, Vol. XVI, No.5 (October, 1996).
- Review of Richard Norman, <u>Ethics, Killing, and War</u>, in <u>Canadian Philosophical Reviews</u>, Vol XV, No. 4. (August, 1995).
- Review of Stanley Hauerwas, <u>Dispatches From the Front: Theological Engagements with the Secular</u>. In <u>Conrad Grebel Review</u>, Vol. 13, No. 2 (Spring, 1995)
- Review of Owen Flanagan, <u>Varieties of Moral Personality: Ethics and Psychological Realism.</u> in <u>International Studies in Philosophy</u>. Vol. XXV. No. 3, 1993. 120-121.
- Review of Finnis, Boyle, and Grisez, <u>Nuclear Deterrence</u>, <u>Morality and Realism</u>, in Canadian Philosophical Reviews, October, 1988, Vol. VIII, No. 10.
- Review of John Dower, <u>War Without Mercy: Race and Power in the Pacific War</u>. <u>In Past and Present</u>, (University of Waterloo, Feb. 1988), pp. 9-10. Reprinted in <u>Conrad Grebel Review</u>, Vol. 5, No. 3 (Fall, 1987), pp. 285-288.
- Review of John Beversluis, <u>C. S. Lewis and the Search for Rational Religion</u>, in <u>The Conrad Grebel Review</u>. Vol. 4, No. 1 (Winter, 1986), pp. 83-88.
- Review of Anthony Kenny, <u>The Ivory Tower: Essays in Philosophy and Public Policy</u>, <u>Canadian</u> Philosophical Reviews, Vol. VI, No. 7 (Sept., 1986), pp. 341-43.
- Review of "Missiles and Morals" by Douglas Lackey, <u>Risk Abstracts</u>. Vol. 1, No. 1 (1984), 1 page.

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- Michael Bayles. "Commentary: Trust, Risk, and Possible Benefits." Fox and Groarke (eds.), Nuclear War: Philosophical Perspectives (New York: Peter Lang, 1985), pp. 241-44.
- Archie Harms. "Reply to Conrad Brunk, Professionalism and Responsibility in the Technological Society." <u>Conrad Grebel Review</u> Vol. 3, No. 4 (Fall, 1985).

 John H.A. Dyck. "John H.A. Dyck to Conrad Brunk and Duane K. Friesen." <u>Conrad Grebel Review</u>. Vol. 2, No. 1 (Winter, 1984), pp. 51-56.
- Michael Philips. "The Question of Voluntariness in the Plea Bargaining Controversy: A Philosophical Clarification." <u>Law and Society Review</u>, Vol 16, No. 2 (1981-82), pp. 207-224.
- Kenneth Kipnis. "Plea Bargaining: A Critic's Rejoinder." <u>Law and Society Review</u>, Vol. 13, No. 2 (Winter, 1979), pp. 555-564.

SCHOLARLY PAPERS AND LECTURES

- "Issues in the Communication of Food Risks and Food Safety." Presented at the China International Conference on Food Safety and Quality, Shanghai, China. November 11, 2010
- Le débat sur le « L'Intelligent Design ». Université de Montpellier III, Montpellier, France. October 20, 2010.
- « Le Principe de Précaution: C'est la Politisation de la Science? » Université de Montpellier III, Montpellier, France. October 18, 2010.
- "Acceptable to Whom? Issues in Risk Perception and Communication." Health Canada Safe Environments Directorate Speaker Series, Ottawa, Ontario, February 18, 2010.

- "Lying and Truth-Telling in the Documentary Film". Presentation on Panel Discussion of "The Ethics of Documentary Film Making". University of Victoria. March 12, 2009.
- "Communication Issues Arising with Biomonitoring Values". International Conference on Biomonitoring Guidance Values. Cranfield University. Woburn, U.K. June 18, 2009.
- "Communicating Risk When the Science is Uncertain." Prion 2009 Annual International Conference, Thessaloniki– Chalkidiki, Greece, September 22, 2009.
- "Ethical Issues in the Communication of Prion Disease Risks in Blood Donations." Prion 2009 Annual International Conference, Thessaloniki – Chalkidiki, Greece, September 25, 2009
- "Is There Room for Ethical and Religious Values in the Governance of New Technologies?" Keynote address at Forum on Faith and Life, Canadian Council of Churches, Toronto, Ontario, December 3, 2009
- "Lying and Truth-Telling in the Documentary Film". Presentation on Panel Discussion of "The Ethics of Documentary Film Making". University of Victoria. March 12, 2009.
- "Weighing Benefits and Risks: The Question of HPV Vaccination". University of Victoria Forum on HPV Vaccination. September 25, 2008.
- "Science and Values in the Assessment and Regulation of Biotechnology Risks". Conference on Regulating Biotechnology Products at the Interface between Science and Ethics. Université de Montréal, March 20, 2008.
- "Regulating Biotechnology and Genomics". Panel with Brian Wynne and Edna Einseidel. University of British Columbia Centre for Applied Ethics. February 11, 2008
- "Crisis Management Before the Food Safety Crisis: Principles of Risk Perception and Communication in Food Safety". Forum on Food Safety Crisis Management. San Antonio, Texas, June 4, 2008.
- "Science and Public Perception: Understanding the Debate about Health and Environmental Risks". University of Victoria. Student Biotechnology Network Symposium. January 24, 2007.
- "The Cultural Elements of Biodiversity." McGill University School of Environmental Studies, March 12, 2007.
- "Religion, the Suicide Warrior and the Limits of Political Coercion." Centre for Studies in Religion and Society, University of Victoria. January 24, 2007.
- "Taking Religious Moral Concerns about Animal Biotechnology Seriously in Public Debate." Canadian Forum on Religion and Environment Workshop. University of Victoria. April 14, 2007.
- "Risk Communication in the Context of BSE and vCJD." Japan Food Safety Commission. Tokyo, Japan. May 11, 2007.
- "The Central Elements of the Regulation of Risk." Environment Canada/Health Canada Workshop on Risk Analysis. Ottawa, ON. June 6, 2007.
- "Science and the Precautionary Principle." Environment Canada/Health Canada Workshop on Risk Analysis. Ottawa, ON. June 6, 2007.
- "Issues in Science and Regulatory Decision Making." Environment Canada/Health Canada Workshop on Risk Analysis. Ottawa, ON. June 7, 2007.
- "Science, Values, and the Perception of Risk." University of Alberta Imagining Science Workshop. Banff Conference Centre, Banff, AB. August 25th, 2007.
- "Science in the Courtroom: Differing Conceptions of Acceptable Risk." Ontario Superior Court Judges Annual Workshop, Lake Simcoe, ON. September 6, 2007.
- "Values and Assumptions in Risk Assessment and Management". Community of Federal Regulators Annual National Workshop. Gatineau, ON. November 7, 2007.
- "Science and the Precautionary Principle" Community of Federal Regulators Annual Workshop. Gatineau, QC. November 7, 2007

- "The Ethics of Risk Management: Communication and Decision-Making Under Conditions of Uncertainty". First Canadian Roundtable on Public Health Ethics (Health Canada/CIHR). Montreal, QC, November 9, 2007.
- "Religion and Politics in Canada." Presentation to International Canadian Studies Institute, University of Victoria, July 20, 2006.
- "Risk Communication in the Absence of Data". Presentation to International Conference on Prion Diseases of Domestic Livestock, London, U.K., May 29, 2006.
- "Trends in North American Research on the Ethical, Legal and Societal Aspects of Genomics." SSRHC ERA-SAGE Workshop, Ottawa, May 22-23, 2006
- "The Cultural Elements of Biodiversity and Globalized Free Trade: The Case of Mexican Maize." The Namkoong Family Lecture Series, University of British Columbia, March 1, 2006
- "The North American Experience: How Canada Has Responded By Regulation To The Discovery Of TSE Positive Cases In North America." NeuroPrion Second Annual Congress, Dusseldorf, Germany, October 21, 2005.
- "BSE, Public Perception & Risk Communication Solutions." Global Feed & Food Congress, Sao Paolo, Brazil, July 13, 2005.
- "Can Regulation be 'Smart' and 'Precautionary'?" Canadian Health Coalition Roundtable on the Precautionary Principle, Ottawa, May 9, 2005.
- "The Fate of Cultural and Religious Values in Free Trade". University of Victoria Centre for Studies in Religion and Society, February 2, 2005
- "Engineered Genes in Mexican Maize: A Case Study of Science, Cultural Values and Free Trade" McGill University, November 2-3, 2004.
- "Religion and Public Policy". Canadian Society for the Study of Religion. Winnipeg, Manitoba. June 1, 2004
- "Public Perceptions of Risk and its Impact on the Beef Industry". Feedlot Health Management Services Eighteenth Annual Research Seminar. Calgary, Alberta, June 14, 2004
- "Public Knowledge, Public Trust" Conference on Genomics, Genetics and Society: Bridging the Disciplinary Divides sponsored by Institute of Genetics & Canadian Institute for Health Research. Toronto, Ontario, April 15-17th, 2004
- "Understanding Consumer Concerns about Food Safety". Global Food Safety Forum, Beijing, PRC. November 18 -19, 2004
- "Normative Trade-Offs in the Regulation of Genomics Biotechnology." Genome Canada GELS Symposium 2004, Vancouver, B.C., February 7, 2004.
- "Science, Ethics, and the Precautionary Principle". Canada-United Kingdom Colloquium 2003 on Science and Public Policy. Bristol, U.K. November 22, 2003.
- "Religious Values in Law and Policy: Is Neutrality Possible?". La Religion dans la sphère publique, Colloque multisectoriel, Université de Montréal, November 28, 2003.
- "The Biotech Vision". Conference on the Ethics of Biotechnology. Eastern Mennonite University, November 14, 2003.
- "Understanding the Perception of TSE Risks" Conference on TSE in Animal Populations, Colorado State University, September 10 –11, 2003.
- "The Precautionary Principle in Environmental and Health Risk Management." Presented to the UVic Department of Philosophy Undergraduate Society lecture series, February 27, 2003.
- "The Role of Perception in Risk Assessment Science" Science Forum on Risk Assessment sponsored by Health Canada and the Canadian Food Inspection Agency, December 2, 2002

- "The Role of Risk Assessment in Regulatory Policy". Science Forum on Risk Assessment sponsored by Health Canada and the Canadian Food Inspection Agency, December 2, 2002
- "Science and Public Perception: Understanding the Debate about Health and Environmental Risk." Annual Picard Lecture, University of Alberta Health Law Institute. September 27, 2002.
- "Risk Perception and the Food Chain." International Conference on BSE and Food Safety, Basel, Switzerland, April 19, 2002.
- "Issues of Risk Communication in Public Debates About Health and Safety: The BSE Crisis." Joint WHO/FAO/OIE Technical Consultation on BSE, Paris France, June 11-15, 2001.
- "Science and Public Perception in The Debate about Safety of Genetically Modified Foods". Conference on Genetics, Ethics and the Law, Einstein Institute for Science, Health and the Courts (US) and the National Justice Institute (Canada). Montreal, June 3-5, 2001.
- "Understanding Safety: What Determines the Safety of GMO Risks?" Conference on Food of the Future: Genetically Modified Foods. Simon Fraser University, May 2-4, 2001
- "Taking 'Moral Risks' Seriously in the Assessment of Biotechnology." Eighth East-West Philosophers' Conference Honolulu, Hawaii, January, 2000.
- "The Principles and Practice of Risk Management." Annual Meeting of the North American Plant Protection Organization, Cancun, Mexico. October 19, 1999.
- Response to Chris Mcdonald "Clinical Standards and the Structure of Professional Obligation". Canadian Philosophical Association, June 5, 1999.
- "Fishing for Answers: Mapping the Value Components in Fisheries Research." Delivered to the International Symposium on the Nature and Dynamics of Interdisciplinary Research. Wenner-Gren Research Centre, Stockholm, Sweden, November 11-14, 1998.
- "The Structure of Risk Analysis in Food Safety Issues" Delivered to the Management Council Meeting of the Canadian Food Inspection Agency, April 16, 1998.
- "New Ideas in Formalized Risk Analysis: The "Stakeholder" Concept in Risk Management and Communication." Lectures to the Danish Society of Food and Technology, Ingenierforeningen i Danmark, Copenhagen, Denmark. May 27, 1997.
- "Mammaries and Morals: Trust and the Management of Health Risks to Women". Fellows' Lecture Series, Centre for Studies in Religion and Society, University of Victoria. April 8, 1997.
- "The Spiritual Roots of Restorative Justice". Presented at "Achieving Satisfying Justice: A Symposium on Implementing Restorative Models". Vancouver, BC, March 20-23, 1997.
- "Risk Management Under Conditions of Uncertainty". Workshop Presentation to the Animal Health Division of Agriculture and Agri-Food Canada. March 26, 1996.
- "Scientific and Non-scientific Evaluations of Nuclear Risk." Invited Presentation to the Canadian Environmental Assessment Agency's Hearings on the Nuclear Fuel Waste Management and Disposal Concept. March 13, 1996.
- "The Breast Implant Controversy: Did Dow Corning Meet its Ethical Responsibility to Women?" Presentation to the York University School of Business and Department of Philosophy, February 21, 1996.
- "Principles of Risk Management Applied to the Canadian Blood Supply Issue." Presentation to the Krever Commission on the Safety of the Blood Supply in Canada, November 20, 1995
- "What Does Dow Corning Owe Women Who Claim Injury From Silicone Breast Implants?" presented at the Centre for Applied Ethics and Faculty of Commerce, University of British Columbia, July 5, 1995.

- "Political and Ethical Aspects of Regulating Agricultural Risk." presented at the Annual Meeting of BIOREM, Vancouver, B. C., March 18, 1995.
- "Principles for the Prioritization of Risk Management Resources." presented to the University of British Columbia Faculty of Agricultural Studies, March 16, 1995.
- "Standards for the Acceptability of Risk in Bio-engineered Agricultural Pest Control Products." National Forum on Genetically Modified Organisms. Toronto, Ontario, February 25-27, 1995.
- "Politics and Values in the Management of Agricultural Risks: The Politics of Risk Assessment." presented to the University of British Columbia Faculty of Agricultural Studies, December 1, 1994.
- "The Physician-Assisted Suicide Debate and the Idea of Technological Control." presented at the Centre for Studies in Religion and Society, University of Victoria, Victoria, B.C., November 4, 1994.
- "The Nuclear Energy Safety Debate: The Role of Science and Values in the Assessment of Technological Risks." Presented at the Centre FOR Applied Ethics, University of British Columbia, October 27, 1994.
- "The Role of Ethics and Values in Science: The Case of Ecosystem Health Science." Lecture presented at the First International Symposium on Ecosystem Health and Medicine, June 23, 1994.
- "Public Perception and Risk Communication in Biotechnology: Lessons from the Canadian Nuclear Debate." Lecture presented to the Forestry Canada Interdepartmental Workshop on Biotechnology Risk Communication, Hull, Québec. November 24, 1993.
- "The Uneasy Relationship of Science and Politics in Government Regulation of Risk". Lecture to Agriculture Canada Animal and Plant Health Directorate Research Scientists, Animal Disease Research Institute, Nepean, Ontario. October 4, 1993.
- "Ethical Considerations in the Decision to Withhold or Withdraw Life-Saving Treatment." Presented at ComaCon 92, Consensus Conference of the Ontario Brain Injury Association. Niagara-on-the-Lake, Ontario, November 13, 1992.
- "Technological Risk and the Debate Over Nuclear Safety" Presented at the University of Ottawa Conference on Ethics and the Environment (Institute for the Study of Economics and the Environment). October 1, 1992.
- "Three Models of Value Conflict Management in Environmental Risk Assessment." Lecture at Laurentian University Workshop on the Ethics of Resource Extraction. May 8, 1992.
- "Research in the Normative Aspects of Risk Analysis as an Example of Applied Ethics Research." Lecture at University of British Columbia Workshop on Applied Ethics. February 21, 1992.
- "Can Military Ethics Provide a Model for Understanding Environmental Ethics?" Presentation to Laurentian University Workshop on Environmental Ethics, September 21, 1991.
- "Can Risk Assessment be Scientific?" Paper presented at the International Sociological Association Annual Meeting, Madrid, Spain, July 14, 1990.
- "Les Suppositions Normatives dans la Science de l'Estimation du Risque." Centre des Etudes des Risques Majeurs, Université de Grenoble II, Grenoble, France, May 30, 1990.
- "Ethical Considerations in the New Reproductive Technologies" Position Paper for the Mennonite Central Committee submitted to the Canadian Royal Commission on New Reproductive Technologies, December, 1990. Co-authored with Kathy Shantz, Kaye Rempel, Karen James-Abra and Jocelyn Schaffenburg.
- "Hawks and Doves and Two Models of Conflict." Special Lecture for the Festschrift celebrations for Ed Newbery, at Laurentian University, March 31, 1989.

- "Normative Assumptions in Risk Assessments" presented with Prof. Lawrence Haworth to the Institute of Risk Research Colloquium Series, March 22, 1989.
- "Ethical Considerations in the Management of Contaminated Resources" at the Great Lakes Fisheries Commission Annual Meeting, Grand Island, New York, March 21, 1989.
- "Two Paradigms of Conflict and Conflict Resolution." International Conference on Paths to International Security, Inter-University Centre for Post Graduate Studies, Dubrovnik, Yugoslavia, June 18-22, 1987.
- "The Logic of Deterrence and the Nuclear Arms Race." University of Guelph, November 23, 1985.
- "The Place of Conflict Studies in the University and College Curriculum," at Conference on Peace and Security, Montreal, Quebec, April 23, 1986. Sponsored by McGill University and the Canadian Institute for International Peace and Security.
- "Deterrence, Vulnerability, and the Rationality of Unilateral Initiatives." International Conference on Nuclear Deterrence at the Inter-University Centre for Post Graduate Studies, Dubrovnik, Yugoslavia, June 1-4, 1985.
- "Realism, Deterrence, and the Nuclear Arms Race." Paper delivered at Conference on Philosophy and Nuclear Arms, University of Waterloo, October, 1984.
- "Hobbes, Realism and the Nuclear Arms Race," delivered at the Canadian Philosophical Association Annual Meeting in conjunction with the World Congress of Philosophy, Montreal, Quebec, August 22-27, 1983.
- "Ethical Discipline in Professional Engineering: A Comparison of Two Systems," delivered at the Conference on Business Ethics, Loyola University, Chicago, Illinois, July 25, 1983.
- "The Justification of Criminal Punishment: Toward a Restorative View" delivered to the Philosophy of Law Discussion Group at University of Western Ontario Law School and the Westminister Institute, London, Ontario, April 14, 1983.
- "Is There an Obligation to Accept Punishment for Civil Disobedience?" International Association for Philosophy of Law and Social Philosophy, Canadian Section, Ottawa, June 9, 1982.
- "Militarism, Pacifism, and the Just War," University of Waterloo Symposium on the Arms Race, November 1, 1980.
- "A Philosophical Analysis of Coercion," University of Waterloo Philosophy Colloquium, March 3, 1978.
- "Peace and Social Justice in Believers' Church Theology," at Study Conference on the Believers' Church in Canada, Winnipeg, Manitoba, June, 1978.
- "The Problem of Voluntariness in Plea Bargaining," delivered at a National Conference sponsored by the Law Enforcement Assistance Administration of the U.S. Dept. of Justice, and the Law and Society Review, June, 1978, French Lick, Indiana.